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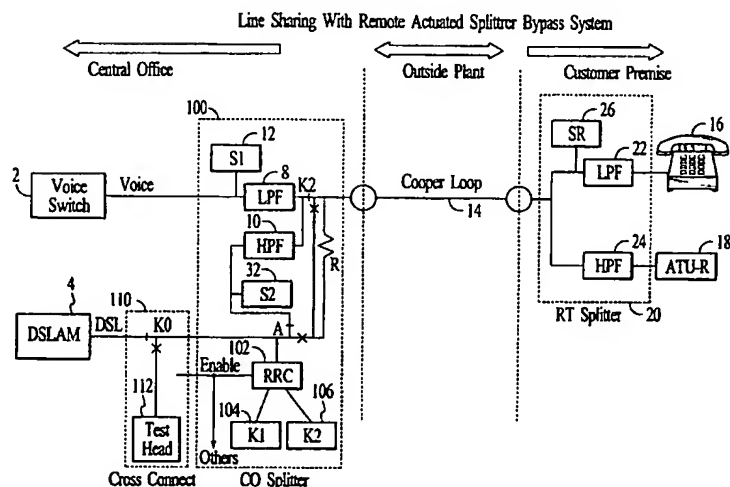
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: REMOTELY ACTUATED SPLITTER BYPASS SYSTEM AND METHOD



(57) Abstract: The present invention is directed to a remotely actuated splitter bypass function (RASB) working in conjunction with a test head at the central office for testing and maintaining copper loops in the digital subscriber line environment. The RASB allows a competitive local exchange carrier to test and maintain the xDSL portion of the copper loop with minimal interference and disturbance to/from the plain old telephone system (POTS) service by bypassing the central office splitter. The splitter bypass operation includes the steps of selecting a copper loop pair for testing, actuating a first relay for monitor mode, actuating a second relay for bypass mode, testing the selected copper loop, and resetting the first and second relays back to normal mode. By applying positive and negative voltages from the tip and ring with respect to ground, various relays can be set (actuated) and reset to provide multiple modes of operations. In this manner, relays can be designed to respond in certain voltage levels and polarities.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04M3/30 H04M11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	US 6 144 735 A (BELLA GREGORY L) 7 November 2000 (2000-11-07) abstract; figure 2 column 4, line 17 -column 5, line 45 -----	1-60
P, A	US 6 091 722 A (DUNN JAMES E ET AL) 18 July 2000 (2000-07-18) abstract; figure 2 column 2, line 18 -column 3, line 38 -----	1-60

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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			EP	0942578 A2	15-09-1999
US 6091722	A	18-07-2000	US	6058110 A	02-05-2000
			US	6002681 A	14-12-1999